

# Introduction to the HICSS-52 Minitrack on Innovative Behavioral IS Security and Privacy Research

Merrill Warkentin  
Mississippi State University  
[m.warkentin@msstate.edu](mailto:m.warkentin@msstate.edu)

Anthony Vance  
Temple University  
[anthony@vance.name](mailto:anthony@vance.name)

Allen C. Johnston  
University of Alabama  
[ajohnston@cba.ua.edu](mailto:ajohnston@cba.ua.edu)

This minitrack provides a venue for innovative research that rigorously addresses the risks to information system security and privacy, with a specific focus on individual behaviors within this nomological net. Domains include work related to detecting, mitigating, and preventing both internal and external human threats to organizational security. Papers may include theory development, empirical studies (both quantitative and qualitative), case studies, and other high-quality research manuscripts.

This year, the minitrack features ten papers addressing a range of behavioral security and privacy research questions that will stimulate further discussion and exploration of the key phenomena within this domain.

One group of papers addresses privacy research issues, including how privacy concerns influence Tor usage, the influence of impulsivity on information disclosure, and users' self-management of privacy on social media.

- Harboth, Pape. "How Privacy Concerns and Trust and Risk Beliefs Influence Users' Intentions to Use Privacy-Enhancing Technologies - The Case of Tor"
- Aivazpour, Rao. "Impulsivity and Information Disclosure: Implications for Privacy Paradox"
- Xu, Alsarkal, Zhang. "Protecting Privacy on Social Media: Is Consumer Privacy Self-Management Sufficient?"

A second group of papers is focused on research topics related to cybersecurity behaviors for personal benefit, including password manager adoption, home computer security and protection motivation, and how trait affect influences the security behavior of individuals.

- Alkaldi, Renaud. "Encouraging Password Manager Adoption by Meeting Adopter Self-Determination Needs"
- Mills, Sahi. "An Empirical Study of Home User Intentions towards Computer Security"
- Dupuis, Crossler. "The Compromise of One's Personal Information: Trait Affect as an Antecedent in Explaining the Behavior of Individuals"

Finally, a third group of four papers investigates cybersecurity behaviors at work. These involve reputational herding and information security investments, cognitive neuroscience and phishing, the influence of coworkers' observations on information security policy violations, and creating interesting in cybersecurity careers through case studies.

- Shao, Siponen, Pahlila. "To Calculate or To Follow Others: How Do Information Security Managers Make Investment Decisions?"
- Zafar, Randolph, Gupta, Hollingsworth. "Traditional SETA No More: Investigating the Intersection Between Cybersecurity and Cognitive Neuroscience."
- Farshadkhah, Stafford. "The Role of "Eyes of Others" in Security Violation Prevention: Measures and Constructs."
- Giboney, Hansen, Johnson, Winters, McDonald, Balzotti, Bonsignore. "Theory of Experiential Career Exploration Technology (TECET): Increasing Cybersecurity Career Interest Through Playable Case Studies"

We trust that this year's contributions will stimulate interesting discussion and will advance the research within our discipline.